

### ABSTRACT

An apparatus for receiving digital motion pictures for down-conversion of interlaced scanning sequence in DTVs or application fields of digital picture meeting systems is disclosed, in which received DCT coded blocks are down-sampled as they are if the blocks are field DCT coded blocks, or converted to the field DCT coded blocks to carry out the down-sampling and stored in the memory for the motion picture if the blocks are frame DCT coded blocks, or the field DCT coded blocks and the frame DCT coded blocks are stored after down-conversion into pictures having fixed top field pixels for the motion prediction compensation, so that 75% memory reduction effect may be obtained by a video decoder having a down converter for the interlaced scanning sequence of the HD grade, and a screen of the SD grade with high screen quality may be obtained in the display devices for the various PIPs or the low resolution display.